

US EPA RECORDS CENTER REGION 5



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Monthly Oversight Report 7
ACS NPL Site
Griffith, Indiana
June 30, 2001 - August 3, 2001



BLACK & VEATCH

101 N. Wacker Drive
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Black & Veatch Special Projects Corp.

USEPA/RAC VII
American Chemical Services RAO (057-ROBF-05J7)

BVSPC Project 46526
BVSPC File C.3
August 29, 2001

Mr. Kevin Adler
U.S. Environmental Protection Agency
77 W. Jackson Boulevard (SR-6J)
Chicago, Illinois 60604-3590

Subject: Monthly Oversight Summary Report
No. 7 for July 2001

Dear Mr. Adler:

Enclosed is the Monthly Oversight Summary Report No. 7 for July 2001 for the American Chemical Services Superfund Site in Griffith, Indiana.

If you have any questions, please call (312-683-7856) or email (campbelllm@bv.com).

Sincerely,

BLACK & VEATCH Special Projects Corp.

Larry M. Campbell, P.E.
Site Manager

Enclosure

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No. 7 for July 2001

Dear Mr. Adler:

Enclosed is the Monthly Oversight Summary Report No. 7 for July 2001 for the American Chemical Services Superfund Site in Griffith, Indiana.

If you have any questions, please call (312-683-7856) or email (campbelllm@bv.com).

Sincerely,

BLACK & VEATCH Special Projects Corp.

Larry M. Campbell, P.E.
Site Manager

Enclosure

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Monthly Oversight Summary Report No. 7
ACS Superfund Site WA30, 46526.238

Reporting Period: Month of July (June 30 - August 3, 2001)

BVSPC O/S Dates: July 3, 12, 17, 19, 24, 26, 31 and August 2, 2001

Personnel Summary Affiliation	No. of Personnel	Responsibility
Montgomery Watson Harza	6	Respondent's General Contractor
Black & Veatch Special Projects Corp.	1	USEPA Oversight Contractor
Austgen Electrical	2	Electrical Contractor
Koester Environmental Services	5	OFCA Temporary Cover Contractor
Midwest Environmental, Inc.	2	PCB Soils Excavation Contractor
S&H Surveying	3	Koester Environmental Services Surveyor
Contract Dewatering Services	2	Extraction Trench & Well Installation
Consolidated Fabrication Co.	2	GWTP Manifold Contractor
G.E. Marshall	1	Offsite containment area interim cover pre-bid meeting
Ryan Construction	1	Offsite containment area interim cover pre-bid meeting
ECI	1	Offsite containment area interim cover pre-bid meeting
R.W. Collins	2	Offsite containment area interim cover pre-bid meeting
Simalabs	1	Chemical Laboratory
Soloco	1	
BD	1	

Construction Activities

Major Activities:

- Offsite containment area interim cover pre-bid meeting (Montgomery Watson Harza with potential subcontractors).
- Contract Dewatering Services installed cleanout of extraction trench EW20.
- Koester Environmental Services began installation of OFCA cover.
- Midwest Environmental, Inc. selected for PCB soil excavation and completed construction of temporary road into wetland area.
- Montgomery Watson Harza sampled monitoring wells in the south ORC pilot area.
- Boart Longyear selected as driller for ISVE system.

Activities Performed:

Contract Dewatering Services (CDS) excavated the pit east of EW20C in order to locate the end of the extraction tile leading to the cleanout. During excavation activities, CDS cut two HDPE conveyance pipes from EW16, EW15 and EW19. CDS located the end of the flexible 6 inch diameter perforated tile, connected the extension tile, and completed trenching eastward, laying the extension tile to approximately 100 feet east of EW20C. CDS personnel fused the damaged HDPE piping and Montgomery Watson Harza (MWH) planned to pressure test the repaired conveyance lines. Eagle attempted to videotape the cleanout tile; however, due to a sharp bend in the tile, the camera could not get through. Soil was vacuumed from well EW20; well production appeared to improve. MWH will evaluate the course of action to fix the problems in the cleanout and the soil in the tile at extraction trench EW20.

A kick-off meeting was held with Koester Environmental Services (KES) for the OFCA cover construction on July 24, 2001. MWH and KES discussed the thickness of the existing clay cover to be included in the interim cover. In order to establish the appropriate grading, clay was used as both the fill material and the cover. Both KES and MWH have sampled the clay material and found it suitable for the OFCA cover. KES was not required to have 40-hr trained personnel however, some trained personnel were on site should intrusive activity occur. KES has placed approximately 1,800 CY in Area 1 - Non Engineered Area and the area is up to grade. KES started placing clay in Area 3 - Engineered Cover.

Midwest Environmental, Inc. (MEI) was selected as the subcontractor for the PCB soil excavation. MEI completed placing the temporary road during the week of July 30, 2001. MEI dug a trench along the northern portion of the road and installed a pump 200 feet west of the groundwater treatment plant. Groundwater was pumped from the PGCS trench to lower the water level in the wetland area. MEI also constructed a dam across the drainage point from ACS and installed a pump to direct the runoff to the south side of the railroad tracks away from the wetland area. MWH delineated the extent of the excavation and plans to take samples of the excavation. Excavation activities are expected to take 7-10 days, and approximately 1,500 CY of material will be removed.

MWH continued to direct water from the firepond to the groundwater treatment plant as needed to maintain flow volume through the plant. The groundwater treatment plant pulled water from the PGCS and barrier wall trenches. Discharge from the treatment plant was diverted to the frac tank on the railroad property north of the OFCA to provide water for KES to use in the construction of the clay cover.

MWH sampled monitoring wells in the south ORC pilot test area on July 26, 2001.

Boart Longyear was selected as the driller for the ISVE system and is tentatively scheduled to start work on August 13, 2001.

Attached are Black & Veatch Special Projects Corp. (BVSPC) weekly reports, correspondence, log book notes, and photographs of the daily activities. BVSPC's crew conducted oversight of the major field activities on July 3, 12, 17, 19, 24, 26, 31 and August 2, 2001.

Topics of Concern:

- Montgomery Watson Harza was unable to obtain a groundwater elevation at monitoring well MW-18 due to debris in the well. MW-18 is part of the long term monitoring program.
- Installation of the abandonment casing around ATMW-4D is suspect as to its effectiveness because the outer casing was driven in with the kelly bar and the auger chuck. Driving the casing down does not allow the tremmie pipe to reach the bottom of the annulus space on the outside of the casing for proper grouting.

Concern Resolution:

- None to report this month.

Upcoming Activities:

- ISVE well installation by Boart Longyear.
- PCB soil removal in wetlands scheduled for August (MEI).
- Completion of the OFCA interim cover (KES).

Signatures: Larry Campbell

Date: August 29, 2001

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Weekly Oversight Summary Report No. 18
ACS Superfund Site WA30, 46526.238

Reporting Period: Week of July 2, 2001

BVSPC O/S Dates: July 3, 2001 (Chad Gailey)

Personnel Summary Affiliation	No. of Personnel	Responsibility
Montgomery Watson Harza	3	Respondent's General Contractor
Black & Veatch Special Projects Corp.	1	USEPA Oversight Contractor
Koester Environmental Services	2	Offsite containment area interim cover pre-bid meeting.
G.E. Marshall	1	Offsite containment area interim cover pre-bid meeting.
Austgen Equipment	1	Offsite containment area interim cover pre-bid meeting.
Ryan Construction	1	Offsite containment area interim cover pre-bid meeting.
ECI	1	Offsite containment area interim cover pre-bid meeting.
R.W. Collins	2	Offsite containment area interim cover pre-bid meeting.

Construction Activities

Major Activities:

- Offsite containment area interim cover pre-bid meeting (Montgomery Watson Harza and potential subcontractors).
- Weekly construction coordination meeting canceled due to the holiday.

Topics of Concern:

- Montgomery Watson Harza was unable to obtain a groundwater elevation at monitoring well MW-18 due to debris in the well. MW-18 is part of the long term monitoring program.
- Installation of the abandonment casing around ATMW-4D is suspect as to its effectiveness because the outer casing was driven in with the kelly bar and the auger chuck. Driving the

casing down does not allow the tremmie pipe to reach the bottom of the annulus space on the outside of the casing for proper grouting.

Concern Resolution:

- None to report.

Upcoming Activities:

- Contract Dewatering Services will be onsite the week of July 9, 2001 to install the cleanout at EW20.
- Cover installation in offsite area.
- Pilot study for drilling method in offsite area.
- PCB soil removal in wetlands tentatively scheduled for July.
- Draft of RFB for ISVE wells to be completed in next two weeks.

Signature: Chad Gailey

Date: July 9, 2001

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Weekly Oversight Summary Report No. 19
ACS Superfund Site WA30, 46526.238

Reporting Period: Week of July 9, 2001

BVSPC O/S Dates: July 12, 2001 (Mr. Campbell)

Personnel Summary Affiliation	No. of Personnel	Responsibility
Montgomery Watson Harza	3	Respondent's General Contractor
Black & Veatch Special Projects Corp.	1	USEPA Oversight Contractor

Construction Activities

Major Activities:

- Weekly construction coordination meeting.

Topics of Concern:

- Montgomery Watson Harza (MWH) was unable to obtain a groundwater elevation at monitoring well MW-18 due to debris in the well. MW-18 is part of the long term monitoring program.
- Installation of the abandonment casing around ATMW-4D is suspect as to its effectiveness because the outer casing was driven in with the kelly bar and the auger chuck. Driving the casing down does not allow the tremmie pipe to reach the bottom of the annulus space on the outside of the casing for proper grouting.

Concern Resolution:

- None to report

Upcoming Activities:

- Contract Dewatering Services to repair the drain clean out at EW20 on July 16, 2001.
- MWH expects to award ISVE well installation to Boart Longyear this week. ISVE well installation is expected to start about August 8, 2001.
- Offsite blower shed pad scheduled to be installed in mid August (MWH).
- MWH expects to award offsite interim cover contract to Koester Environmental Services. Cover construction activities are scheduled to start on July 23, 2001.
- MWH speaking with potential contractors for the PCB soil excavation. Installation of temporary road in the wetland area scheduled for July 23, 2001.
- Consolidated Fabrication Co. will be making mechanical piping changes in the groundwater treatment plant starting July 22, 2001.

Signature: Larry Campbell

Date: July 17, 2001

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**WEEKLY CONSTRUCTION MEETING MINUTES
FOR JULY 12, 2001 MEETING
AMERICAN CHEMICAL SERVICES NPL SITE**

MEETING DATE: July 12, 2001

MEETING TIME: 10:00 AM

MEETING LOCATION: ACS Site - Site Trailer

ATTENDEES: Larry Campbell, BVSPC
Lee Orosz, MWH
Tom Tinics, MWH
Chris Daly, MWH
Todd Lewis, MWH (via phone)

TOPICS

Health and Safety

- Lee Orosz reviewed the Health & Safety issues within the last two weeks. There has been minimal field activity at the site; therefore, there have been no issues regarding health & safety. Air monitoring around the rolloffs/overpack drums associated with the drum removal has been conducted twice daily. No signs of tampering have been noted and there have been no significant detections.

Summary of Past Two Weeks

- Contract Dewatering has been scheduled for Monday, July 16 to excavate and repair the cleanout of EW-20. They will be sent a memo outlining site specific health and safety procedures and will be notified to have 40-hour training and medical monitoring certificates for all personnel available to MWH prior to commencing work. The work is scheduled to be completed by July 18.
- Pre-bid site walks were conducted for the OFCA Interim Cap construction and for ISVE well installation.
- The GWTP is online.

Off-Site Interim Cap

- Construction is anticipated to begin on July 23 pending finalization of the contract with Koester Environmental Services.
- All personnel involved with the construction of the cover who are not 40-hour certified will be advised of hazardous conditions possible due to the installation of the ISVE wells occurring at the same time. The construction of the cap in the ISVE area (Engineered Cover) should be completed first.

Construction of the final cover in areas beyond the Engineered Cover may need to be completed concurrently with installation of the wells.

ISVE System Installation

- Finalization of contract is proceeding with Boart Longyear for installation of the ISVE wells.
- Drilling will begin in early August. Start date tentatively scheduled for August 8. The final schedule will be determined after the contract has been finalized.
- The Thermal Oxidizer and Blower Shed are on order.

PCB Soils Excavation

- Negotiations with bidders are currently proceeding. It is anticipated the contract will be awarded July 13 or 16.
- A memo will be distributed the week of July 16 outlining anticipated activities.

Looking Ahead to Next Two Weeks

- In addition to activities discussed above, the construction of a manifold for the BWES pipes in the GWTP will begin the week of July 23. It is anticipated that Consolidated Fabrications will be the subcontractor.

Next Weekly Construction Meeting

- Thursday, July 19, 2001 at 10:00 AM CST.

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Weekly Oversight Summary Report No. 20
ACS Superfund Site WA30, 46526.238

Reporting Period: Week of July 16, 2001

BVSPC O/S Dates: July 17 and 19, 2001 (Mr. Campbell)

Personnel Summary Affiliation	No. of Personnel	Responsibility
Montgomery Watson Harza	3	Respondent's General Contractor
Black & Veatch Special Projects Corp.	1	USEPA Oversight Contractor
Contract Dewatering Services	2	Extraction Trench & Well Installation

Construction Activities

Major Activities:

- Contract Dewatering Services installed cleanout of extraction trench EW20.
- Koester Environmental Services awarded contract for the offsite cover installation.
- Boart-Longyear selected as driller for ISVE well installation.
- Midwest Environmental, Inc. awarded contract for the PCB soil excavation.
- Weekly construction coordination meeting.

Activities Performed:

Contract Dewatering Services (CDS) excavated the pit east of EW20C in order to locate the end of the extraction tile leading to the cleanout. During excavation activities, CDS cut two HDPE conveyance pipes from EW16, EW15 and EW19. CDS encountered the water table at approximately 6 feet below grade and the sides of the excavation caved prior to uncovering the lost tile. Tom Tinics from Montgomery Watson Harza (MWH) used a PID to check odors at the trench. PID readings spiked at 20-25 ppm. Tom Tinics instructed Dick Neuman of CDS that respirators and a trench box would be required to continue excavation activities. CDS ceased operations. Dick Neuman returned with a PID at 11:00 AM and stated that a trench box would be delivered to the site that afternoon.

As reported by Tom Tinics (BVSPC personnel were not onsite), CDS installed the trench box on July 18, 2001. CDS also installed 4 inch piping from the excavation area across the railroad tracks to the firepond in the onsite area. CDS used sump pumps to remove the water from the excavation and transport it to the firepond. CDS located the end of the flexible 6 inch diameter perforated tile, connected the extension tile, and completed trenching eastward, laying the extension tile to approximately 100 feet east of EW20C. After the excavation was complete, CDS backfilled the trench.

On Thursday, July 19, 2001, CDS personnel fused the HDPE piping which they had broken on Tuesday, July 17, 2001. MWH plans to pressure test the repaired conveyance lines to ensure that the splices hold and that the pipes are connected properly.

MWH continued to direct water from the firepond to the groundwater treatment plant as needed to maintain flow volume through the plant. MWH encountered problems with the catalytic burner, and it is being repaired by the manufacturer. MWH also continued to monitor the roll-off boxes twice daily.

A kick-off meeting with Koester Environmental Services (KES) was scheduled for Tuesday, July 24, 2001 at 9:00 AM. Clay hauling is expected to begin by July 26 or July 30, 2001. Boart Longyear (BLA) is tentatively scheduled to start work on August 8, 2001. MWH is waiting for submittals from BLA prior to starting work.

Midwest Environmental, Inc. (MEI) plans to install the temporary road in the wetland on July 30, 2001. PCB soil excavation is scheduled to start on July 30, 2001 or August 6, 2001. MWH plans to dam the onsite swale in order to collect surface runoff prior to entering the wetland. The runoff will be discharged south of the railroad tracks. Excavation activities will take 7-10 days, and approximately 1,500 CY of material will be removed.

Topics of Concern:

- MWH was unable to obtain a groundwater elevation at monitoring well MW-18 due to debris in the well. MW-18 is part of the long term monitoring program.
- Installation of the abandonment casing around ATMW-4D is suspect as to its effectiveness because the outer casing was driven in with the kelly bar and the auger chuck. Driving the casing down does not allow the tremmie pipe to reach the bottom of the annulus space on the outside of the casing for proper grouting.

Concern Resolution:

- None to report.

Upcoming Activities:

- MWH will pressure test the repaired conveyance lines in the vicinity of EW20.
- Kick-off meeting with KES scheduled for Tuesday, July 24, 2001.
- BLA is tentatively scheduled to start ISVE well installation on August 8, 2001.
- MEI plans to install the temporary road into the wetland on July 30, 2001.
- MWH to dam the onsite swale.

Signature: Larry Campbell

Date: July 25, 2001

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**WEEKLY CONSTRUCTION MEETING MINUTES
FOR JULY 19, 2001 MEETING
AMERICAL CHEMICAL SERVICES NPL SITE**

MEETING DATE: July 19, 2001

MEETING TIME: 10:00 AM

MEETING LOCATION: ACS Site - Site Trailer

ATTENDEES:

Larry Campbell, BVSPC
Todd Lewis, MWHCI
Tom Tinics, MWHCI
Chris Daly, MWH

TOPICS

Health and Safety

- Tom Tinics reviewed Health and Safety issues within the last week. The only contractor on site has been Contract Dewatering Services (CDS). Activities performed by CDS involved excavation within the OFCA. No elevated PID readings were noted during much of the activities; however, readings increased late in the day on July 19, 2001 and activity was shut down for the day.
- Activities within the next two weeks include construction of the Off-Site interim cover. Koester Environmental Services (KES) is expected to perform the work. Since much of the activity associated with this task is not intrusive, personnel will not be required to have 40-hour certification (some KES personnel will have certification). If intrusive work is required, the 40-hour personnel will be utilized. All non-40-hour personnel will be given a orientation of the site and hazards.
- Monitoring of rolloffs/drums associated with the drum removal continues to be conducted twice daily. No readings via PID have been noted. Weekend inspections by ACS personnel have been uneventful.

Summary of Past Two Weeks

- CDS is on site to repair tile and to construct a cleanout for EW-20 (BWES). Water extracted from the excavation has been pumped to the fire pond for subsequent treatment through the GWTF.
- GWTP is online.

OFCA Cover Construction

- Intend to award contract to Koester Environmental Services.
- A preliminary conference call with KES was held on July 13 to discuss issues pertaining to the construction. Submittals are currently being put together by KES.
- A preconstruction meeting will be held on Tuesday, July 24 with KES.

ISVE Well Installation

- Intend to award contract to Boart Longyear

- Field work is scheduled to begin on August 8. It is anticipated that Boart is capable of 2 wells/day per rig. If needed a second rig may be brought on site.
- The well installation will be coordinated with the cover construction.

PCB Soils Excavation

- Intend to award contract to Midwest Environmental (MEI).
- Stormwater flow from the site will be diverted from the excavation area with a containment dike and pump to be located south of the treatment plant.
- A prefabricated access road will be assembled from the GWTP to the excavation area.

Looking Ahead to Next Two Weeks

- Verification of EW-20 repair using camera scheduled for July 20.
- Construction of OFCA Cover
 - Pre-construction meeting – July 24
 - Construction start – July 26
- PCB Soils Excavation
 - Mobilization/Kick-off – July 24
 - Construction start – July 25
 - Schedule – estimated 10 days of active digging. It is anticipated sediment removal will be completed by mid-August.

Next Weekly Construction Meeting

- Thursday, July 26, 2001

Weekly Oversight Summary Report No. 21
ACS Superfund Site WA30, 46526.238

Reporting Period: Week of July 23, 2001

BVSPC O/S Dates: July 24 and 26, 2001 (Mr. Campbell)

Personnel Summary Affiliation	No. of Personnel	Responsibility
Montgomery Watson Harza	6	Respondent's General Contractor
Black & Veatch Special Projects Corp.	1	USEPA Oversight Contractor
Consolidated Fabrication Co.	2	GWTP Manifold Contractor
Midwest Environmental, Inc.	2	PCB Soils Excavation Contractor
Austgen Electrical	1	Electrical Contractor
Koester Environmental Services	4	OFCA Temporary Cover Contractor
Soloco	1	
Simalabs	1	Chemical Laboratory

Construction Activities

Major Activities:

- Contract Dewatering Services completed installation of EW20 trench cleanout.
- Midwest Environmental, Inc. constructed the temporary road into the wetland area.
- Koester Environmental Services mobilized to the site and attended preconstruction meeting.
- Montgomery Watson Harza sampled monitoring wells in the south ORC pilot test area.
- Weekly construction coordination meeting

Activities Performed:

Contract Dewatering Services completed the installation of the EW20 trench cleanout. Eagle attempted to videotape the cleanout tile; however, due to a sharp bend in the tile, the camera could not get through. Soil was vacuumed from well EW20; well production appeared to improve. Montgomery Watson Harza (MWH) will evaluate the course of action to fix the problems in the cleanout and the soil in the tile at extraction trench EW20.

Portable road panels were received for the PCB excavation in the wetland area and installation began on July 26, 2001. Midwest Environmental, Inc. graded the area west of the firepond so that wet soils from the PCB soil excavation can be stockpiled there and drain into the firepond. MWH delineated the limits of the PCB excavation and the areas where the soils contained greater than 50 ppm PCBs. MWH will collect samples from the bottom of the PCB excavation.

The kick-off meeting was held with Koester Environmental Services (KES) for the OFCA cover construction on July 24, 2001. KES's plans to mobilize and construct the OFCA cover were discussed. KES requested the coordinates of the outer edge of the cover and the flowlines of the swales for staking by the surveyor. Surveys are required for the existing surface, surface elevations after grading and general fill, and the final elevation of the clay cover. MWH and KES discussed the thickness of the existing clay cover to be included in the interim cover. Additional fill materials are required in order to achieve the final grade in some areas. KES will be using the same clay source for the fill material and the clay cover. KES sampled the clay material and it was found not to be contaminated. KES will not be required to have 40-hr trained personnel; however, some trained personnel will be present should intrusive activity take place. KES will perform daily maintenance surveys of their equipment and daily "tool box" health and safety meetings, which will be documented. The KES group health and safety meeting is scheduled for July 30, 2001. Water will be supplied by either a city hydrant or the plant effluent to aid in the placement of the clay cover. MWH raised concerns regarding trucks tracking mud offsite onto Colfax Ave. KES will begin constructing the clay cover on July 31, 2001 and will use specialized subcontractors for erosion control.

MWH sampled monitoring wells in the south ORC pilot test area on July 26, 2001.

Groundwater was pumped from the PGCS trench to lower the water level in the wetland area. A 100 horsepower motor on the blower burned out and was replaced by the spare.

Boart Longyear (BLA) was selected by MWH to install the ISVE wells. A total of 46 wells will be installed. The tentative start date is August 8, 2001. MWH is preparing an addendum to their Health and Safety Plan to address the construction of the clay cover and the ISVE well installation.

Topics of Concern:

- MWH was unable to obtain a groundwater elevation at monitoring well MW-18 due to debris in the well. MW-18 is part of the long term monitoring program.
- Installation of the abandonment casing around ATMW-4D is suspect as to its effectiveness because the outer casing was driven in with the kelly bar and the auger chuck. Driving the casing down does not allow the tremmie pipe to reach the bottom of the annulus space on the outside of the casing for proper grouting.

Concern Resolution:

- None to report.

Upcoming Activities:

- MWH to evaluate the course of action to fix the problems in the cleanout and soil in the tile at extraction trench EW20.
- Surveyors scheduled to stake the OFCA for clay cover installation.
- KES group Health and Safety meeting scheduled for July 30, 2001.
- KES to begin installing the clay cover on July 31, 2001.
- MWH will collect samples from the bottom of the PCB soils excavation.
- BLA tentatively scheduled to start ISVE well installation on August 8, 2001.

Signature: Larry Campbell

Date: August 7, 2001

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**WEEKLY CONSTRUCTION MEETING MINUTES
FOR JULY 26, 2001 MEETING
AMERICAL CHEMICAL SERVICES NPL SITE**

MEETING DATE: July 26, 2001

MEETING TIME: 10:00 AM

MEETING LOCATION: ACS Site - Site Trailer

ATTENDEES:

Larry Campbell, BVSPC
Todd Lewis, MWH
Tom Tinics, MWH
Chris Daly, MWH
Rob Adams, MWH
Pete Vagt, MWH
Lee Orosz, MWH
Jim Hawkins, Koester Environmental Services (KES)
Ken Field, Midwest Environmental (MEI)

TOPICS

Health and Safety

- Tom Tinics reviewed Health and Safety issues within the last week. No health and safety violations or incidences were observed. Due to the extreme heat, MWH has established a cooling station in the GWTP
- Tom Tinics reminded everybody to observe the 5-mph speed limit posted for the GWTP road. This will minimize dust and interference with the trucks that will be on site in the near future for the PCB sediment removal.
- Monitoring of rollofs/drums associated with the drum removal continues to be conducted twice daily. No readings via PID have been noted. Weekend inspections by ACS personnel have been uneventful.
- A Health and Safety Plan (HASP) addendum is being developed to cover activities associated with installation of the Off-Site cover, installation of the Off-Site ISVE wells, and the PCB sediment removal. Ken Field of MEI stated that they have an updated copy of their (HASP) to cover the PCB sediment removal. Rob Adams requested a copy of the revised HASP to review and distribute to Black & Veatch.
- A health and Safety meeting for KES is scheduled for Monday, July 20, 2001 at 8:00 AM.

Summary of Past Two Weeks

- CDS was on site on July 23, 2001 to investigate potential damage to extraction well EW-20.
- Eagle Video Company was on site to video log the interior of the EW-20 extraction trench. The camera could not be advanced beyond approximately 20 feet due to bends in the piping where CDS installed the piping to the cleanout.

- The GWTP has been pumping 100% from the PGCS to assist in dewatering the wetlands for the PCB sediment removal and because the BWES influent manifold is under construction.

OFCA Cover Construction

- KES mobilized on July 24, 2001. During this week they have been coordinating with the clay borrow source, procuring their surveyor and geotechnical testing company, and finalizing their implementation plan. Jim Hawkins of KES stated that Area Survey was not able to meet their schedule requirements; therefore, they will be looking for another surveyor. He also stated that they would use Great Lake Soil & Environmental Consulting for their geotechnical testing.
- KES' anticipated schedule is to perform the initial site survey on Monday, July 30, 2001 and begin placing clay on Tuesday, July 31, 2001.

ISVE Well Installation

- Installation of the ISVE wells has been awarded to Boart Longyear. Work is scheduled to begin on August 8, 2001.
- MWH has received Boart Longyear's HASP and is currently in the process of reviewing it.

PCB Soils Excavation

- The PCB soils excavation has been awarded to Midwest Environmental (MEI). MEI began installing the temporary road yesterday (7/25/01) but stopped to get a more-appropriate piece of equipment. They are currently installing the road and anticipate being complete with the road by the end of the day. There is currently standing water in the wetlands. KES will continue dewatering. KES anticipated having a 2-person crew on Monday, July 30, 2001 and a 2- or 3-person crew starting on Tuesday, July 31, 2001.
- KES and MWH discussed sampling procedures. Back-hoe buckets may be utilized for sample collection if the sample areas cannot be safely be reached. KES would need to decontaminate the bucket between samples.

Looking Ahead to Next Two Weeks

- Construction of OFCA Cover
 - Initial survey – July 30
 - Mobilize entire crew and have health and safety meeting – July 30
 - Begin placing clay – July 31
- PCB Soils Excavation
 - Complete temporary road – July 26
 - Begin excavating contaminated soils – July 30

Next Weekly Construction Meeting

- Thursday, August 1, 2001

Weekly Oversight Summary Report No. 22
ACS Superfund Site WA30, 46526.238

Reporting Period: Week of July 30, 2001

BVSPC O/S Dates: July 31 and August 2, 2001 (Mr. Campbell)

Personnel Summary Affiliation	No. of Personnel	Responsibility
Montgomery Watson Harza	6	Respondent's General Contractor
Black & Veatch Special Projects Corp.	1	USEPA Oversight Contractor
Koester Environmental Services	5	OFCA Temporary Cover Contractor
Midwest Environmental, Inc.	2	PCB Soils Excavation Contractor
Austgen Electrical	2	Electrical Contractor
S&H Surveying	3	Surveyor for Koester Environmental Services
BD	1	
IDEM	1	
Contract Dewatering Services	2	Extraction Trench & Well Installation

Construction Activities

Major Activities:

- Montgomery Watson Harza presented a Health and Safety briefing to all contractor personnel regarding health and safety at ACS.
- Koester Environmental Services placed, graded and compacted clay on east side of OFCA.
- Contract Dewatering Services drilled in the area of EW20 to assess viability of local dewatering to excavate EW20 tile and repair.
- Midwest Environmental, Inc. completed construction of temporary road in wetland area.
- Weekly construction coordination meeting.

Activities Performed:

Koester Environmental Services (KES) placed, graded and compacted the clay for the OFCA cover. KES has placed approximately 1,800 CY in Area 1 - Non Engineered Area and the area is up to grade. KES started placing clay in Area 3 - Engineered Cover.

Midwest Environmental, Inc. (MEI) completed placing the temporary road in the wetland area. MEI dug a trench along the northern portion of the road and installed a pump in the sump 200 feet west of the groundwater treatment plant. MEI also constructed a dam across the drainage point from ACS and installed a pump to direct the runoff to the south side of the railroad tracks. Montgomery Watson Harza (MWH) delineated the location of the PCB contaminated soils in the wetland area.

The groundwater treatment plant pulled water from the PGCS and barrier wall trenches. Discharge from the treatment plant was diverted to the frac tank on the railroad property north of the OFCA to provide water for KES to use in the construction of the clay cover.

MWH tested and approved the imported clay for the OFCA cap. MWH also inspected the swales and will be making them broader than originally designed; erosion matting will be installed instead of riprap.

Topics of Concern:

- MWH was unable to obtain a groundwater elevation at monitoring well MW-18 due to debris in the well. MW-18 is part of the long term monitoring program.
- Installation of the abandonment casing around ATMW-4D is suspect as to its effectiveness because the outer casing was driven in with the kelly bar and the auger chuck. Driving the casing down does not allow the tremmie pipe to reach the bottom of the annulus space on the outside of the casing for proper grouting.

Concern Resolution:

- None to report.

Upcoming Activities:

- KES may begin placing top soil in Area 1 on August 7, 2001.
- MEI will install a berm north of the firepond to control runoff.
- MEI is scheduled to start PCB soil excavation on August 6, 2001.
- Boart Longyear will start ISVE well installation on August 13, 2001.

Signature: Larry Campbell

Date: August 10, 2001

t:\projects\acs-raos\osr\2001\0730.wpd

**WEEKLY CONSTRUCTION MEETING MINUTES
FOR AUGUST 2, 2001 MEETING
AMERICAN CHEMICAL SERVICES NPL SITE**

MEETING DATE: August 2, 2001

MEETING TIME: 10:00 AM

MEETING LOCATION: ACS Site – Site Trailer

ATTENDEES: Robert Adams; MWH
Travis Klingforth; MWH
Todd Lewis; MWH
Lee Orosz; MWH
Tom Tinics, MWH
Pete Vagt; MWH
Sean Grady; IDEM
Larry Campbell; BVSPC
Ken Field; Midwest Environmental (MEI)
Jim Hawkins; Koester Environmental (KES)

TOPICS

Health and Safety

- Todd Lewis reminded KES to manage dust control as best as possible.
- Beware of heat exhaustion. You are effected by it before you can feel it.
- The general weekly health and safety meeting was held on Tuesday, July 31, 2001. They will be moved back to their regular day of Thursday starting the week of August 6, 2001

Summary of Past Two Weeks

- Investigation of EW-20 was continued during the week of July 23. The investigation was inconclusive due to tight bends in the piping around the clean-out connection. Contract Dewatering Services (CDS) is onsite today to further investigate the extraction well. MWH is currently working with CDS to increase the pumping capacity of the extraction well.
- The BWES influent was shut-off a few days during the week of July 23, 2001 for installation of the BWES influent manifold. During this time, the GWTP treated 100% PGCS groundwater. The GWTP is now currently treating approximately 50% PGCS and 50% BWES.
- The GWTP effluent has been directed as follows:
 - Prior to July 31 the GWTP discharge was routed to south of the rail road tracks.
 - On July 31 the GWTP discharge was routed to the ACS discharge ditch directly south of the GWTP to assist in a pumping test of the PCB-sediment removal storm water diversion pumping system.
 - After the pumping test on July 31, the GWTP effluent was rerouted to the south of the railroad tracks.

- Beginning on August 1 the GWTP discharge was directed to a holding tank located by the rail road tracks. The collected effluent will be reused to dust control during installation of the Off-Site Area Interim Cover.

Off-Site Interim Cap

- KES has continued final grading, removal of surface debris, and clay placement. Approximately 1,800 cubic yards (cy) of cover material has been placed as of the end of August 1.
- Clay placement will continue during the next few weeks.

ISVE System Installation

- Boart Longyear will mobilize on August 13, 2001 and have a kick-off meeting on either August 13 or 14.

PCB Soils Excavation

- The anticipated excavation extents for >1 ppm PCB and >50 ppm PCB sediments were located and staked with a GPS unit on July 24 and 25, 2001.
- The site was cleared and the temporary access road was completed by MEI on July 26, 2001.
- A dewatering trench and pumping system was installed on July 30 and 31. The dewatering system pumps collected surface water to the GWTP for treatment.
- Excavation of the PCB-impacted sediments is scheduled to begin on Monday, August 6, 2001 (weather permitting).
- MWH is currently evaluating restoration options.

Drum Removal

- MWH is currently evaluating disposal options for the overpacked drums and roll-off boxes. MWH will have a flow chart of disposal options available next Thursday, August 9, 2001.

Looking Ahead to Next Two Weeks

- Off-Site Interim Cover – Clay placement will continue for the next few weeks. Greatlakes Environmental will be on-site on August 3, 2001 for geotechnical testing of the cover material already placed.
- PCB-Sediment Removal – Excavation of the PCB-impacted sediments is scheduled to begin on August 6, 2001 – weather permitting.
- ISVE Well Installation – Boart Longyear will mobilize on August 13, 2001. A kick-off meeting will be scheduled for August 13 or 14.

Next Weekly Construction Meeting

- Thursday, August 9, 2001 at 10:00 AM CST.

RAA/TAL/RAA
J:\209\0601 ACS\0202 MWA PM\6010202a039.doc

(20)

Jim Campbell

6-28-01

0815 Arrive onsite to observe
sampling of South Area ORC Monitoring
Wells. Weather - Sunny, Clear & F

0930 Travis Klingenberg & Chad Smith
MWH arrived on site after obtaining comp.
gas to operate sampler. Decoded sampler
pump.

1030 Waiting on FedEx delivery of
rented sampling gear

1200 Lunch

1300 FedEx pkg hasn't arrived - MWH
needs regulator for compressed gas -
Too late to conduct ORC South Sampling
today - will try tomorrow

1330 Observed Kopsner Encl Services men (2)
working in southern offsite area with
backhoe in vicinity of trench ^{FW} 20. KES
repaired a force main that had been
punctured by truck tire on fall near
Western end of Trench 20, ^{near FW 20A} KES
personnel planned to excavate near
MW 20C to properly connect
force main that had been incorrectly
connected.

1345 left site

Jim Campbell

(21)

Chae R. Saly

06/03/01

7:15 ARRIVED ONSITE @ GWTS, WEATHER
TEMP 68°F, OVERCAST, LIGHT SW BREEZE

TODAY ACTIVITIES:

SITE WALK FOR RFB OF THE INTERIM
OFF SITE CAMP.

9:00 Completed Reaching the RFB for Interim
Camp.

QUESTION: PLACEMENT OF WOOD SPALS, AND
QUESTIONABLE COMPARISON OF EXISTING
WASTE SPALS.

QUESTION OF DRAINAGE IN NORTH EAST
CORNER.

PLACEMENT/REPLACEMENT OF FENCING, pierce
wells, manholes, who AND how.

MEETING NOTES

1) NO CUTTING INTO EXISTING MATERNAL SEPT
Brick up & cut on need bases.

2) LIMITED, ENGINEERED SUEPER ZONE TO
FIVE SYSTEM INSTALLATION.

Note: the (MWH) is stating they do not
need to be 40 hr trained.

11:00 Called Kevin Miller, to confirm
the cancellation of Thursday's Construction
meet. No Construction meeting this Thursday.

Chae R. Saly

(22)

Chris [Signature] 8/13/01

Todd Lewis MWCI
 Chad Bailey BVSPC
 Dennis Castagna Budget Equip 217 922 2078
 Mike Revins Koester 812 868 6201
 Jim Schuler Koester
 Kevin Mawle R.W. Collins 708 558 6818
 Bill Collins R.W. Collins
 Frank Marshall G.E. MARSHALL Inc.
 Lynne Pauli ECI
 Chris Daly MWCI
 Lee Orosz
 Tom Tinius

↓
 Dave Hinkel Ryan Cost
 Talk w/ Todd Lewis, Next week
 the only scheduled work is
 Contract Decontamination Services will
 be onsite sometime Next week to
 install the decontamination on EWD.
 In the leave for Day to Return to the
 office.

[Signature]
 8/13/01

(23)

7-12-01 Jim Campbell

0850 Arrive at site

Weather - 70°F Sunny

No contractors working today

1015 Weekly Construction Mtg in
 MWCI Const. trailer

Larry Campbell	BVSPC
Lee Orosz	MWCI
Tom Tinius	MWCI
Chris Daly	MWCI
Todd Lewis	MWCI - via Phone

Lee reported on H&S issues: No contractors
 onsite last 2 wks. MWCI continues to
 monitor drums & ~~other~~ rolloff boxes twice
 daily - No excessive gases are emitted.
 Also no evidence of vandalism.

Todd described upcoming activities

- Contract Decontamination SUCs to return to site
 Next Monday (7/14/01) to repair drain
 cleanout in Tranch 20. Estm 2-3 days work.
 MWC will ensure all CD's personnel have
 proper medical & training documentation.
- ISVE - Todd expects to award contract
 to Boort-Langyear this week with well
 installation to start in early August (± 8/8)
 Plan to pour offsite Blower shed pad in mid Aug.

(24)

Oxidizer and blower shed for offsite ISUE has been ordered

- Off Site Interim Cap - expect to award to Koester this week. Probably start 7/23 Plan to have off-site cover in place prior to installation of ISUE wells
- PCB Soil Excav. Talking to potential contractors. Expect to award contract soon & start ~~road~~^{road} Road into wetlands on 7/23 in order to remove PCB contaminated sediment.
- Mechanical piping changes in ~~to~~ groundwater plant starting in 7/22 by Consolidated Fabrication Co.
- Next mtg - Next Thurs ~~7/19/01~~ 7/19/01 Mark Travers - representative of PRP group may attend next mtn

Mtg over @ 1105, returns to office

Jim Campbell

(25)

7-17-01 *Jim Campbell* 85°F
0820 Arrive on site. Weather Warm, Sunny
Personnel Present:

Tom Tinics	MWCI
Chris Daly	MWCI
Joe Stepley	BD free
Amorce	BD free
L M Campbell	BUSPC
Dick Neumann	Contract Dewatering (CDS)
Dennis Karra	" "

0840 CDS excavated pit East of Extraction Trench Well EW20C in an attempt to locate ^{end of} extraction tile leading to cleanout - Lost during installation of trench in winter. Excavator cut two HDPE conveyance pipes from EW16, 15 & 19. Water table at about 6' depth - sides of excav. caved before could uncover lost tile. MWCI (Tinics) used PID to check odors at trench - got readings spiked at 20-25 ppm. Tinics told Dick Neuman they would have to wear respirators to enter excavation & would need trench box for personnel to enter excavation

0930 Shut down opns until CDS obtained a PID and Trench boxes (had been scheduled to arrive after lunch)

(26)

7-17-01 Can't

1100 Dick Neuman returned to site with PID. He stated that a Trench box would arrive this afternoon. He plans to assemble trench box and lay discharge piping to onsite area firepond for discharge of water from excavation. He plans to set trench box and continue with excavation to locate & reinstall trench tile tomorrow

1115 Leave site - Return to office

Jim Campbell

(27)

7-19-01 *Jim Campbell*

0830 Arrive site - 78° Sunny hot humid

Personnel Onsite

Todd Lewis	MWCD	Mike Chenoweth	Simult
Tom Tinics	MWCD	RS Wilcox	CCC
Chris Daly	MWCD	T. Kirkland	Austgon
Larry Campbell	BUSPC	Ken Foral	MEI
Barry McHard	CDS		
Dennis Karrar	CDS		

0900 Tom Tinics informed Campbell that yesterday Contract Dewatering Svcs (CDS) installed Trench box in excavation to repair trench tile east of EW 20C. ~~At~~ CDS installed 4" dia discharge piping from excav, across RR tracks, to firepond in onsite area. Used Sump pumps to remove water from excav and discharge to firepond.

About 3pm, CDS located end of flexible 6" dia perforated tile, connected an extension tile, and completed trenching eastward and laying extension tile until it daylighted at ground surface approx 100' east of EW 20C.

Following installation, CDS back filled Trench excavation

Jim Campbell

(28)

0915 Visited Trench EW 20 Cleanout
Installation site w/ Todd Lewis

CDS personnel preparing to fuse
the HDPE piping they had broken when
first excavated trench on Tuesday
Campbell observed CDS fuse insert
pieces of HDPE on one of two lines

Todd stated that MWCI planner
to pressure test the repaired lines to
be sure splices hold & pipes were connected
properly.

1000 Weekly Construction Meeting.

• Attendees

Todd Lewis MWCI

Tom Tenies MWCI

Chris Daly MWCI

Larry Campbell BVSRC

- Health & Safety - Continue ^{Twice daily} monitoring of
drums & rolloffs - No vapors or vandalism.
Contract Dewatering Sves (CDS) on site this wk
to install cleanout of Trench 20. Had elevated
PID readings while backfilling excavation
but not earlier when connection was made.
Discontinued ~~was~~ backfilling at end of day.

• Operations

Treatment plant working - taking H₂O from

Jim Campbell

(29)

firepump as needed to maintain flow volume
through plant. Had problems with
Catalic burner - being repaired by Mfg.

• OFCA Cover

Koester awarded contract - had Conf. Call
w/ Koester to discuss details. Plan to
~~have~~ have Kickoff mtg w/ Koester next
Tuesday 7/24/01 @ 9:30 AM. Will
start clay hauling by 7/26 or 7/30.

• ISVE Wells

Boart Longyear selected as driller -
but need their submittals prior to start work
Possibly start Aug 8. Estimate can
install 2 wells/day (46 wells total)

• PCB Soil Removal

Awarded to Midwest Environmental
MWCI plans to dam onsite swale to
collect surface runoff from entering marsh.
Will install pump to discharge S. of RR.
Estimate will remove 8" to 18" PCB-contaminated
soil (1500 yd³) - May overexcavate and
leave open water (5000 yd³). Plan to
install plastic roadway 7/30. Start
Excav. 7/30 or 8/6 - Take 7-10 days
Adjourn @ 10:45 - Left site

Jim Campbell

(30)

7-24-01

Jim Campbell

0835 Arrive on site

Weather

Personnel On Site

Sunny Hot

Lee Orosz MWHCI

Todd Lewis "

M. Fuller CFC

M. Starling CFC

Ken Field MFI

Tom Tonics MWHCI

Chris Daly MWH

Larry Campbell BUSPC

Rich Flores Austgen

Rob Adams MWH

Lewis Walker MFI

0930 Kick off Mtg w/ Koester
for OFCA Interim Cap Construction

Attendees:

Tom Tonics MWHC

Chris Daly MWH

Larry Campbell BUSPC

Mike Raxing Koester

Erin Blankenberger " Hts

Jim Hawkins " Site Super

Jeff Wickham " PM

Rob Adams MWH

(31)

Jim Campbell

Todd Lewis MWHC

Lee Orosz MWH

Purpose of Mtg was to discuss Koester's (KES)
plans to mobilize & construct OFCA
Interim Cap

- KES requested coordinates of outer edge of cap so surveyor could stake in field.
- KES also requested coordinates for field staking of flowline of various swales
- Some areas will require general fill to raise elev. to bottom clay. But plan to use same clay supply for both general fill & clay cover
- Discussion of locations & thicknesses of existing clay cap that can be included in final Interim cap.
- Concluded need to survey
 - Initial (existing) surface
 - After general grading & general fill
 - After clay cap placement
- May have to install/place more clay than specified in order to obtain drainage
- MWHC - Concerned about mud being Tracked onto Colfax

(32)

Jim Campbell

- KES expecting equipment to arrive tomorrow
- Discussed HASP - No reqmt for 40hr trained people, but some will be in case there is any intrusive activity (^{not local hires})
~~that~~ KES will hold:
 - Daily Maint. Survey of equip
 - Daily tool box HAS Mtgs (documented)
- KES requested permission to install above grade fuel tank. MWAC ~~preferred~~ preferred NO AST - have vendor fuel equip. via truck
- KES needs water for clay placement
 - City Hydrant near treatment plant (Need to provide advance notice to ACS personnel)
 - Plant effluent could be diverted to SVE blower shed area
- Work hours
5 d/week ; 7:00A - 4:30p
- Construction Mtgs every Thursday @ 10
- Group HAS Mtg - all subs - every Thurs.
mtg over @ 11:00

MWAC conducted walking tour of OFCA

12:00 left site

Jim Campbell

(33)

Jim Campbell

7-26-01

10:00 Arrive on site

Weather - Sunny
Hot Humid

Personnel on site

Lee Cross	- MWCI
M. Starling	OFC
M. Fuller	OFC
Chris Daly	MWH
Tom Tonies	MWC
Jim Hawkins	KES
Louis Marshall	MEI
Ken Field	MEI
Arar Credegar	Solara
Todd Lewis	MWC
Rob Adams	MWH
Mike Chenoweth	Simolais
Peter Vagt	MWH
Larry Campbell	BUSRC

10:00 Weekly Construction Mtg

Todd Lewis	MWHC	Lee Cross	MWH
Jim Hawkins	KES	Tom Tonies	MWHC
Peter Vagt	MWH		
Larry Campbell	BUSRC		
Chris Daly	MWH		
Ken Field	MEI		
Rob Adams	MWH		

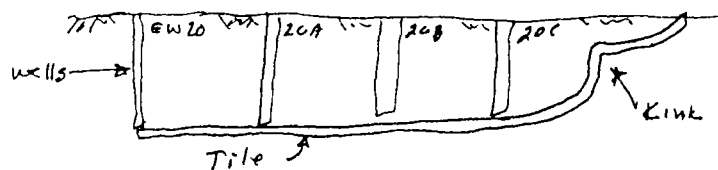
(34)

• H&S

- MWHC preparing H&S Addenda to address upcoming work of OFCA Cap Construction & ISVE well drilling.
- MEI's H&S plan will be updated to include heat stress issues
- MWHC continues to monitor drums & rolloff boxes 2x/day
- Will conduct group H&S trng for KES personnel next Monday @ 8 AM
- No H&S issues, No incidents

• Last 2 weeks

- CDS onsite & completed installation of EW20 trench cleanout
- Eagle tried to video the cleanout tile but couldn't get through because of "kink" in tile



- Vacuumed soil from well EW20 - appeared to approve production
- Plant pumping from PCGS trench only to lower water level in wetlands
- Constructing influent manifold in plant

JM Campbell

(35)

- 100 HP motor on blower burnt out - switched to spare; ordered new motor

• PCB Soil Excavation

- Received portable road panels - plan to install today - laying over fabric on vegetation.
- Graded area west of firepond so it drains into firepond - will use to stockpile wet PCB soils to drain.
- MWHC located limits of PCB exca. of 50 ppm PCB
- Excavation Contract awarded to Midwest Environmental Inc. (~~MWH~~) (MEI)
- MWHC will have lab sample & test for residual PCB conc. at bottom of exca.

• OFCA Cover Construction

- Contract awarded to Koester Envl. Svcs. (KES)
- Held pre const mtg on 7-24-01
- KES Mobilizing to site
- KES will have surveyors onsite next Monday to determine elev. of Area 1.
- KES will use same clay source for both general fill & clay cap - will start Tues.
- KES has collected & tested clay sample - no contaminants - approved for use
- KES will use specialized subs for erosion control

JM Campbell

(36)

- 15VG Wells
 - Plan to award contract to Boart Longyear
 - Expect Boart to use rotary auger drilling initially
 - Plan to start 8/8/01
 - Estm Boart can complete 2 wells/day
- Trench ENZO

MWH is evaluating course of action to "fix" problems in Cleanout and Soil in tile.

11:00 mtg ~~over~~

11:15 Observed construction of portable road into wetlands
Took digital photos of portable road construction

11:45 Observed Chad Smith & Lesley Hierholzer performing MW sampling in southern ORC test area (S. of OFCA)

12:05 Left Site

Jim Campbell

7-31-01

~~7-31-01~~

Jim Campbell

(37)

0855 Arrive onsite

Weather Sunny, V Hot 92°F, Humid

Personnel Onsite

Lee Orosz	MWHCI
Ed Williams	KES
Ken Field	MEI
Jim Hawkins	KES
Clyde Lynch	KES
Richard Thompson	KES
Don Radtke	MEI / Marshall
Louis Marshall	MEI / Marshall
Todd Lewis	MWHCI
Tim Kirkland	Austgen
Travis Klingforth	MWH
Rob Adams	MWH
Joe Janowski	S&H Surveying
Chris Nagel	Austgen
Robert Jovanowski	S&H
Kerry Skorupa	S&H
Tom Tiniks	MWHCI
Lenny Campbell	BSVPC
John Eaton	KES

0900 MWHCI (Orosz & Tiniks) & ACS

presented overall I&AS briefing to all contractor personnel re I&AS at ACS

Jim Campbell

(38)

HHS Briefing in process when I arrived. Timics also explained MWHC safety incentive program.

- Orosz & Timics emphasized heat stress issues.

0930 Site Walk w/ MWHC, MWH, & KES personnel of OFCA

- discussed location and grading plan for perimeter & interior drainage ditches & swales.
- Colfax Ave drainage #3 will be installed E of barrier wall & lined in riprap
- S & West Swale #1 will be located outside Barrier wall
- Interior swale 2 & 5 will be broader swale in erosion fabric
- At N. end of Swale 2, original gravel road may exist above clay - MWHC is determine thickness of gravel
- KES personnel removing debris in Area 3 S. of blower pad area
- MWHC described details of blower shed location & construction
- KES Importing and placing clay on Area 1 along Colfax Ave & E. of Swale #2. Export 500 yd³ today

SM Campbell

Took digital photo of clay placement

(39)

1030 Visited ditch S. of treatment

Plant where ACS Surface runoff flows into Wetland

MEI constructed dam (X) across drainage & installed 6"-8" pump to

pump Surface runoff to S. side of RR tracks.

Treatment Plant effluent was diverted to dammed up pond to test pump float switches

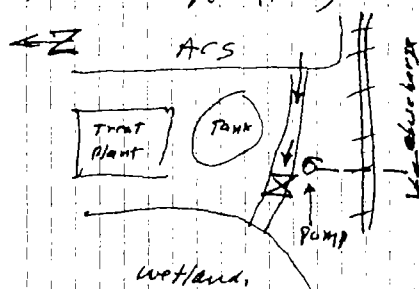
Observed successful test of switches
Took 2 digital photos of pond & pump.

1100 Observed constructed portable roadway into Wetlands - MEI had completed roadway to rear S.W. extent of PCB Contamination.

- To effect drainage of wetlands, MEI has excavated a 3' deep trench on N. side of road. Water will drain into ditch & be pumped to treatment plant
- No inst. Activity because excavator has broken hydraulic hose
- Took digital photos of paved road & drainage trench.

1215 Left Site

SM Campbell



(40)

8-2-01

Arrive Onsite - Weather Overcast
Hot, sprinkles ^{Heavy} Rain forecast

Personnel on site

* Attend Const. Mtg
at 1000

* Lee Orosz	MWH
* Tom Tinius	MWHC
* Todd Lewis	MWHC
* Travis Klingforth	MWH
* Rob Adams	MWH
* Jim Hawkins	KES
E. Williams	"
J. Eaton	"
C. Lynch	"
R. Khopsler	"
G. Yoskov	Austgen
C. Boyles	"
J. Sholpher	BD
* Lamy Campbell	BUSPC
* Peter Vast	MWH
* Ken Field	MEI
* Sean Grady	IDEM

Contract Dewatering on site also w/ 2 men.

Observed KES grading & clay
fill placement & compaction in
OFCA. - Primarily in Area 1 on
E side of OFCA near Colfax - Photos of same

JM Campbell

(41)

10:00 Weekly Construction Meeting

Attendees - * in previous onsite list

* H&S Issues

- NO H&S incidences or close calls
- KES holds daily Tailgate Mtgs - V. aware of heat stress.
- KES needs to water to keep dust down in OFCA

* Summary last 2 wks

- Inspect EW20 - Extraction trench not performing well. Contract Dewatering drilling in area of EW20 to assess viability of local dewatering this area to excavate EW20 tile & repair
- Treatment plant working well - pulling water from PCHS & barrier wall trenches. Distribution Manifold Const is complete. Discharge has been to area S. of RR tracks. Last Tues diverted to onsite swale for diversion pump test. Now pumping to Frac tank on RR property N. of OFCA for KES use in Cap Const.

* OFCA Interim Cap Const

KES started placing clay last Tues. Placed 1800 CY - All Area 1 Non Eng. area up to grade. Starting to place clay on Eng. Area 2 Area 3 (S.W. corner). Possibly place topsoil

JM Campbell

(42)

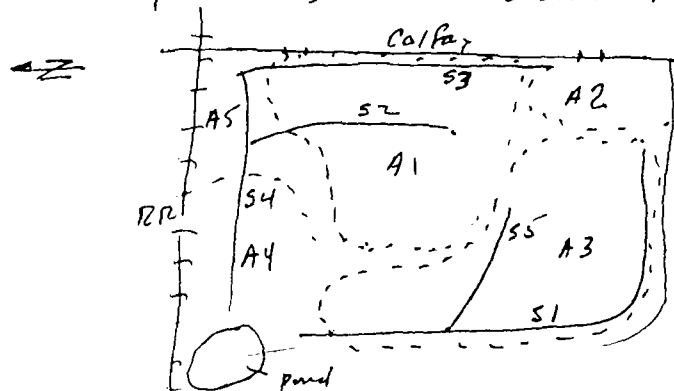
In Area 1 next Tues.

MWH has seen, tested & approved imported clay. MWH has inspected internal swales and will make them broader than originally designed & will contain erosion Matting - not riprap

MWH Staked location of OFCA blower shed MWH doing reconfirmation of Area 3 - probably place full 12" in Cap - & not count existing fill (clay).

Gravel road near NE entrance - MWH found \approx 1' gravel but no clay below. Will excav gravel & place full Clay Cap thickness

S=swale A=Area



• ISUE Wells

will start 8/13

Jim Campbell

(43)

Some submittals are in & being reviewed May start ISUE Wells in KP Area (SE corner) to minimize installation difficulties & HAS exposure

• PCB Soil Excav

- Completed placing panel road last week.
 - dug trench on N. side of road to drain marsh. Installed pump in sump 200' W. of treatment plant. Pumping from sump to treatment plant.
 - May start PCB Soil Excav next Monday
 - MWH has staked limits of PCB contamination & limits of Area > 50 ppm
 - Trench excav soils stockpiled near firepond & tested
 - MWH will build berm W of firepond to control run off
 - MWH will probably not use open water option because can't control water to 4'-5' deep for final excav testing - will also generate too much soil for disposal onsite
 - PCBs trench was excavated thru PCB area & is stockpiled near MW9. Will relocate to firepond prior to general excavation
- Est. to complete PCB soil - 2 weeks.

Jim Campbell

(44)

• Drums

- Todd in process of developing decision chart for disposal of drum contents & roll off boxes.
- MWITC has information from disposal facilities re their requirements
- Should have plan in 2-3 weeks. After decision, drums can be shipped in 2-3 wks. Then plan to relocate roll off boxes to pad, drain & reduce size of drums & reload into roll offs, then dispose (ETC = 2 wks)

• Next Mtg 8/9

Next H&S Mtg Card handed out Tue;
dwn on Fri.

1105. Mtg over

Substantial rain storms had occurred during Mtg.

1110 Inspect PCP Soil Excav Area,
& drainage ditch & sump

Took digital photos of this area

1200 Left site - returned to office

Jim Campbell

(45)

08-07-01 *Jim Campbell*

0700 Arrive Onsite

Weather Clear Hot 78°F sun, to 90°F

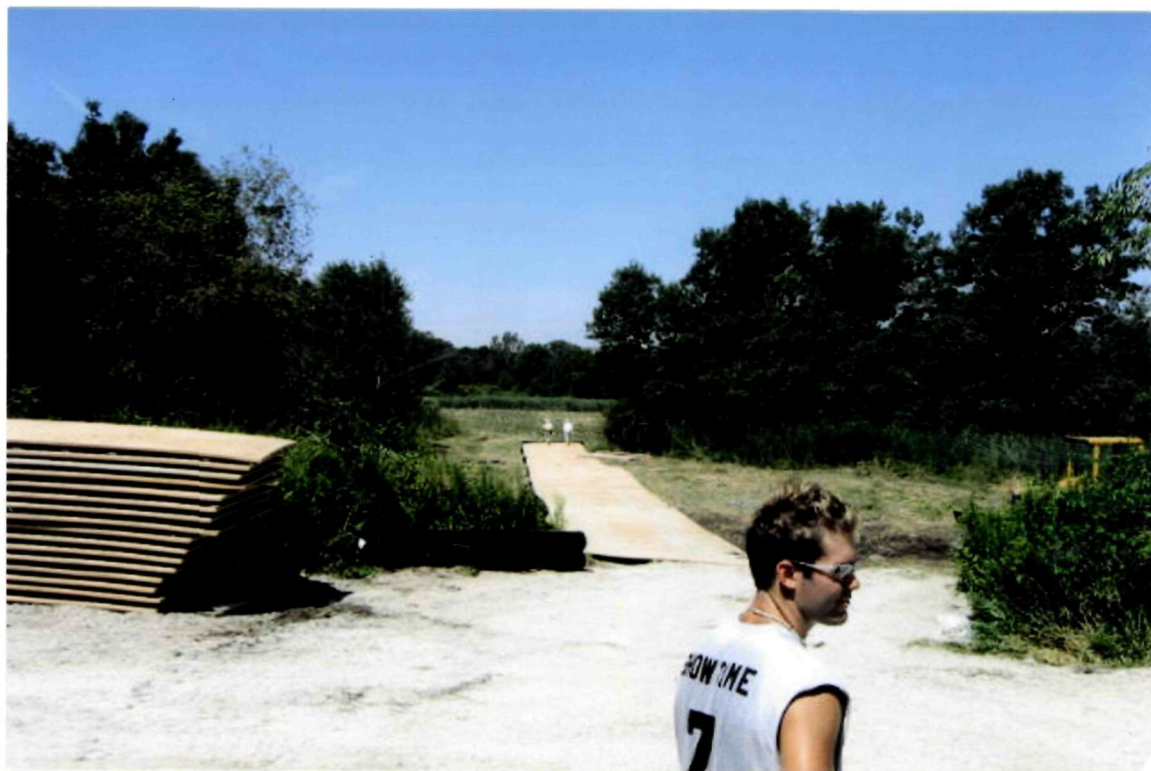
- Observed KES impact, place, water, compact clay in OFCA, Areas 1 & 3 to Density testing indicates clay not meeting compaction or moisture requirements. Rediscuss Area 3 & add water to recompact.

• Personnel Onsite

Jim Hankins	KES
Gary Yockey	Austgen
Clad Lynch	KES
John Eaton	KES
Ed Williams	KES
Lee Orsz	MWITC
Travis Kingfish	MWH
Glen Wireman	KES
Tim Kirkland	Austgen
Todd Lewis	MWITC
Larry Campbell	BUSAC
Ken Field	MEI
Tom Tonics	MWITC
Adam Lulinski	Greco Lakes
Rob Adams	MWH
Rich Flores	Austgen

1106 Leave Site

Jim Campbell



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 12B Photo #1 (IMG_0293.JPG)

Date: 07-26-01 Time: 11:15

Photographer: Larry Campbell

Description: Photo facing west showing initial construction of roadway into PCB excavation area in wetland. Roadway panels stacked at left.



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 12B Photo #2 (IMG_0294.JPG)

Date: 07-26-01 Time: 11:16

Photographer: Larry Campbell

Description: Photo facing west showing plastic roadway in
PCB excavation area in wetland. Excavation
area will extend to tall cattails in background.

Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 12B Photo #3 (IMG_0293.JPG)

Date: 07-26-01 Time: 11:17

Photographer: Larry Campbell

Description: Photo showing interlocking detail of plastic
roadway panels.



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 12B Photo #4 (IMG_0296.JPG)

Date: 07-26-01 Time: 11:18

Photographer: Larry Campbell

Description: Photo facing west showing edge of plastic roadway panels placed on filter fabric in PCB excavation area in wetland area.



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 12B Photo #5(IMG_0297JPG)

Date: 07-26-01 Time: 11:20

Photographer: Larry Campbell

Description: Photo facing north showing Chad Smith with
GPS unit to stake limits of PCB excavation
area in wetland.

Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 12B Photo #6 (IMG_0298JPG)

Date: 07-26-01 Time: 11:21

Photographer: Larry Campbell

Description: Photo facing north showing Chad Smith with
GPS unit to stake limits of PCB excavation
area in wetland.



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 12B Photo #7 (IMG_0299JPG)

Date: 07-26-01 Time: 11:25

Photographer: Larry Campbell

Description: Photo facing southwest showing contractor using tool to line-up connection slots in plastic roadway panels.



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 12B Photo #8 (IMG_0300JPG)

Date: 07-26-01 Time: 11:30

Photographer: Larry Campbell

Description: Photo facing southwest showing contractor
using tool to lock connector pin to attach
plastic roadway panels to each other.

Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 12B Photo #9 (IMG_0301299JPG)

Date: 07-26-01 Time: 11:45

Photographer: Larry Campbell

Description: Photo facing east showing MWH personnel
conducting low-flow groundwater sampling
of ORC monitoring wells east of city dog
pound south of OFCA.



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 12B Photo #10 (IMG_0304JPG)

Date: 07-31-01 Time: 09:35

Photographer: Larry Campbell

Description: Photo facing southwest showing KES
personnel removing debris from surface in
Area 3 prior to placement of clay cover.



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 12B Photo #11 (IMG_0305JPG)

Date: 07-31-01 Time: 09:40

Photographer: Larry Campbell

Description: Photo facing east showing KES equipment
dumping and spreading clay cover in Area 1
east of swale #2. Note surveyor on right.

Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 12B Photo #12 (IMG_0306JPG)

Date: 07-31-01 Time: 10:35

Photographer: Larry Campbell

Description: Photo facing south southwest of GWTP
showing temporary sump constructed to trap
surface flow into wetland.



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 12B Photo #13 (IMG_0307JPG)

Date: 07-31-01 Time: 10:37

Photographer: Larry Campbell

Description: Photo facing south (southwest of GWTP)
showing pump to remove water from sump.
Pump discharges to south side of railroad
tracks between ONCA-OFCA.



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 12B Photo #14 (IMG_0308JPG)

Date: 07-31-01 Time: 11:07

Photographer: Larry Campbell

Description: Photo facing west showing drainage ditch on
north side of temporary plastic roadway.
Ditch to dewater PCB excavation area.

Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 12B Photo #15 (IMG_0309JPG)

Date: 07-31-01 Time: 11:10

Photographer: Larry Campbell

Description: Photo facing east from near west end of
roadway showing drainage ditch on north
side of roadway. Perforated pipe coiled on
right is for installation in trench.



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 12B Photo #16 (IMG_0310JPG)

Date: 08-02-01 Time: 9:30

Photographer: Larry Campbell

Description: Photo facing north near south end of OFCA
showing KES equipment dumping,
spreading, and compacting clay cover near
EW19 trench in Area 1



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 12B Photo #17 (IMG_0311.JPG)

Date: 08-02-01 Time: 09:45

Photographer: Larry Campbell

Description: Photo facing east near east side of wetland
showing sump for removal of water from
ditch on north side of plastic road in wetland.
Pump to GWTP.